

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012176**Date Inspected:** 10-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG				

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

West of Bay 19-

This QA Inspector performed Visual Testing previously tested and accepted by ZPMC for OBG Segment 9CW floor beam web to flange welds at panel point 77. A total of three (3) indications were found during VT. Visual indications were confirmed with Magnetic Particle Testing (MT). An incident report was issued for the above mentioned indications. A MT TL-6028 report was generated this date for additional information. The following welds were tested:

FB015-035-001, 30 mm transverse and longitudinal linear indication at "Y" location 5005.

FB003-157-004, 8 mm transverse linear indication at "Y" location 12560.

FB003-157-005, 40 mm longitudinal linear indication at "Y" location 9990.

See photos below for additional information.

Blast Bay 1-

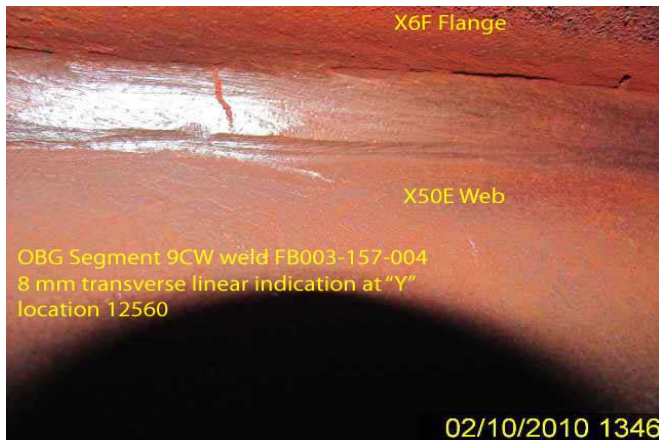
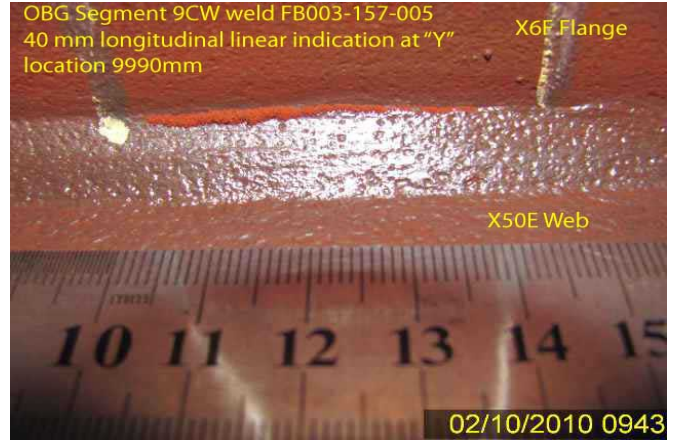
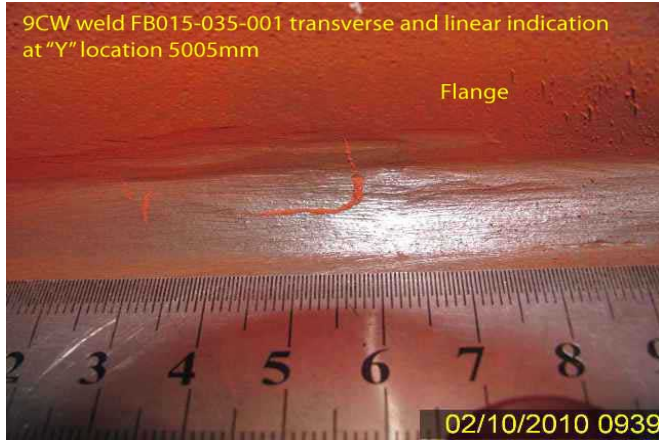
Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 7DW Lower section from panel point 57 to 58. Areas requiring light grinding were marked for ZPMC personnel. The location

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of areas requiring weld repair were recorded and placed on on the punchlist for future repair.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

As identified within the contents of this report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer
